

TO/90/TI

PTO/SB/05

11-26-01

U.S. Department of Commerce  
Patent and Trademark Office  
PATENTA  
JC986 U.S. PTO  
09/992087  
11/06/01

## UTILITY PATENT APPLICATION TRANSMITTAL

Assistant Commissioner for Patents  
 Washington, D.C. 20231  
**BOX PATENT APPLICATION**

Customer No.: 23696  
 Attorney Docket No.: PA010254  
 Date: November 6, 2001  
 Express Mail Label No.: ET100742473US

Dear Sir:

Transmitted herewith for filing is the patent application of:

Inventor(s): Walton, et al.  
 For: Multiple-Access Multiple-Input Multiple-Output (MIMO) Communication System.

Enclosed are:

1.  Patent application (120) total pages.
2.  Drawings:  Formal (27) sheet(s) or  Informal ( ) sheet(s).
3.  Declaration/Power of Attorney:  Signed  Unsigned
4.  This application claims priority from Application Serial No. , Filed , Status .
5.  An Assignment ( ) pages and Recordation Form Cover Sheet.
6.  A Preliminary Amendment ( ) pages.
7.  Information Disclosure Statement (IDS):
  - a.  PTO-1449
  - b.  Copies of IDS Citations (number of citations: )
8.  Other:

CLAIMS:	(a) Filed	(b) Extra Claims	Large Entity Fee	Fee Paid
Total*	53 - 20	33	x \$18 =	\$594.00
Independent**	7 - 3	4	x \$84 =	\$336.00
Multiple Dependent Claim(s): <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes			\$280	\$
<b>APPLICATION FILING FEE</b>			\$740	\$740.00
*If the number in column a is less than 20, enter 0 in column b. **If the number in column b is less than 3, enter 0 in column b.			<b>TOTAL FEE</b>	<b>\$1670.00</b>

8.  A check in the amount of \$\_\_\_\_ is enclosed to pay the filing fee.
9.  Please charge Deposit Account No. 17-0026 of QUALCOMM Incorporated the amount of \$1670.00. The Commissioner is hereby authorized to charge payment of any additional fees which may be required, or credit any overpayment, to said Deposit Account No. 17-0026. A duplicate of this sheet is enclosed for fee processing.
10.  The Commissioner is further hereby authorized to charge to said Deposit Account No. 17-0026, pursuant to 37 CFR 1.25(b), any fee whatsoever which may become properly due or payable, as set forth in 37 CFR 1.16 to 37 CFR 1.18 inclusive, for the entire pendency of this application without specific additional authorization.

Date: November 6, 2001

Signature:

  
 Kent D. Baker, Reg. No. 38,822  
 (858) 658-1930

QUALCOMM Incorporated  
 Attn: Patent Department  
 5775 Morehouse Drive  
 San Diego, California 92121-1714  
 Telephone: (858) 651-1179  
 Facsimile: (858) 658-2502



J1054 US  
11/26/01  
11-26-01  
A

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of )  
Walton, et al. ) For: Multiple-Access Multiple-Input  
Serial No. Unknown ) Multiple-Output (MIMO)  
Filed: Herewith ) Communication System  
                    ) ) Group Art Unit: Unknown

CERTIFICATE OF MAILING UNDER 37 CFR § 1.10

Asst. Commissioner of Patents  
BOX PATENT APPLICATIONS  
Washington, D.C. 20231

Dear Sir:

"Express Mail" mailing label No. ET100742473US  
Date of Deposit NOVEMBER 6, 2001

I hereby certify that the following papers are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10 on the date indicated above and is addressed to the Asst. Commissioner of Patents, Box Patent Applications, Washington, D.C. 20231:

**PATENT APPLICATION IN 120 PAGES; TRANSMITTAL LETTER IN  
DUPLICATE; 27 SHEETS OF FORMAL DRAWINGS; UNSIGNED  
DECLARATION/POWER OF ATTORNEY; AND POSTCARD**

Kayla R. Seignious

(Name)

Kayla

(Signature)

QUALCOMM Incorporated  
5775 Morehouse Drive  
San Diego, California 92121-1714  
Telephone: (858) 845-3313  
Facsimile: (858) 658-2502